

Shuriken

by Arya Akhavan (May 2013)

Angles for R.I. = 1.830

57 + 16 girdles = 73 facets

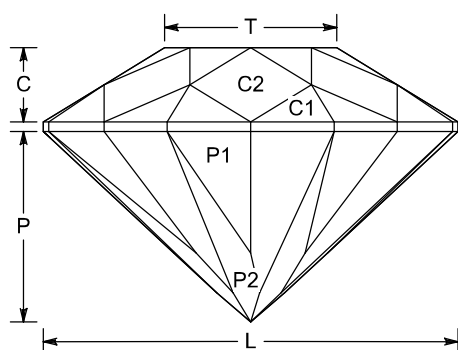
8-fold radial symmetry

96 index

$L/W = 1.000$ $T/W = 0.414$ $U/W = 0.414$

$P/W = 0.458$ $C/W = 0.178$

$Vol./W^3 = 0.221$



PAVILION

P1 43.00° 01-11-13-23-25-35-37-47-49-59-61-71-73-83-85-95 Cut to centerpoint.

G1 90.00° 01-11-13-23-25-35-37-47-49-59-61-71-73-83-85-95 Set stone size.

P2 42.00° 02-14-26-38-50-62-74-86 Meet P1, G1

CROWN

C1 33.16° 01-11-13-23-25-35-37-47-49-59-61-71-73-83-85-95 Set girdle width.

C2 31.35° 96-12-24-36-48-60-72-84 Meet G1, C1

C3 25.00° 06-18-30-42-54-66-78-90 Meet C1, C2

T 0.00° Table Meet C2, C3

Believe it or not, I came up with this design by trying to replicate some organic chemistry line-angle structures in the crown of a stone. It performs pretty well, especially with the radial-symmetry pavilion to help break up the light. Works in materials from quartz to rutile (RI = 1.54 - 2.62) with no changes, but I prefer it in yellow YAG.

Suggested size = 8-12 mm

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